



PAUL R. LEPAGE
GOVERNOR

STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION



PATRICIA W. AHO
COMMISSIONER

PIKE INDUSTRIES, INC.)	DEPARTMENTAL
SOMERSET COUNTY)	FINDINGS OF FACT AND ORDER
FAIRFIELD, MAINE)	AIR EMISSION LICENSE
A-624-71-H-M)	MINOR REVISION #1

FINDINGS OF FACT

After review of the air emissions license amendment application, staff investigation reports and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 Maine Revised Statutes Annotated (M.R.S.A.), §344 and §590, the Maine Department of Environmental Protection (Department) finds the following facts:

I. REGISTRATION

A. Introduction

Pike Industries Inc. (Pike), located in Fairfield, Maine has applied for a minor revision to their current Air Emission License A-624-71-G-R/A, permitting the operation of their crushed stone and gravel facility. Pike requests to amend their air emission license to remove the existing roll crusher (#30641-2) unit and replace it with a cone crushing unit (#30641-3).

The equipment addressed in this license operates at 15 Pike Drive, Fairfield, Maine. The main office is located at 58 Main Street, Westbrook, Maine.

B. Emission equipment addressed by this air license minor revision:

Rock Crushers

Emission Unit #	Type of Equipment	Process Rate, tons/hour	Date of Manufacture	Control Device
C625-AB	Jaw Crusher (Primary)	250	1980	Water spray
30641-3 *	Cone Crusher (Secondary)	155	late 1950's	Water Spray

* replaces the previously licensed C641 roll crusher (#30641-2)

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PIKE INDUSTRIES, INC.
SOMERSET COUNTY
FAIRFIELD, MAINE
A-624-71-H-M

) DEPARTMENTAL
) FINDINGS OF FACT AND ORDER
) AIR EMISSION LICENSE
2 MINOR REVISION #1

C. Application Classification

The replacement of rock crushing equipment (cone crusher with a roll crusher) will not increase the licensed allowed emissions of any pollutant. Therefore, this modification is determined to be a minor revision and has been processed as such.

II. BEST PRACTICAL TREATMENT

A. Introduction

In order to receive a license the applicant must control emissions from each unit to a level considered by the Department to represent Best Practical Treatment (BPT), as defined in *Definitions Regulation*, 06-096 CMR 100 (as amended). Separate control requirement categories exist for new and existing equipment as well as for those sources located in designated non-attainment areas.

B. Cone Crusher (30641-3)

Pike plans to replace the existing Roll Crusher at their Fairfield site with a Cone Crusher as the secondary crushing unit for their crushed stone and gravel facility. The Cone Crusher is a portable unit manufactured in the late 1950s and has a maximum material process rate of 155 tons/hr. This crusher is used to produce recycled asphalt pavement (RAP) from old roadway pavement. Some gravel and stone will get mixed in with the old pavement during excavation and is crushed during RAP production. At this time, crushed stone and sand are hauled to Fairfield from other Pike facilities and used with the RAP to manufacture new asphalt pavement, however, this crushing unit can take an 8" diameter rock and produce it to a final product of ¾" crushed stone as well.

This unit is not subject to EPA New Source Performance Standards (NSPS) 40 CFR Part 60, Subpart OOO for Nonmetallic Mineral Processing Plants manufactured after August 31, 1983, with capacities greater than 150 tons/hr for portable plants, based on the date of the crusher. However, because the maximum throughput rating is greater than 150 tons/hr, but was manufactured prior to 1983, the Department has determined that due to the age of the crusher and the considerable impacts rock crushing equipment operate under, it is likely that the cone crusher went through a reconstruction or modification after August 1983 and is therefore subject to EPA's New Source Performance Standards (NSPS) 40 CFR Part 60, Subpart OOO. This Subpart does not require 5 year testing if water sprays are used; however, if the source has been reconstructed then an initial performance test within 180 days does apply.

PIKE INDUSTRIES, INC.
SOMERSET COUNTY
FAIRFIELD, MAINE
A-624-71-H-M

) DEPARTMENTAL
) FINDINGS OF FACT AND ORDER
) AIR EMISSION LICENSE
3 MINOR REVISION #1

The regulated pollutant from the rock crushers is particulate emissions. To meet the requirements of Best Practical Treatment (BPT) for control of particulate matter (PM) emissions from the rock crushers, Pike shall maintain water sprays on the rock crushers and operate as needed to control visible emissions. Visible emissions from the cone crushing unit shall be limited to no greater than 10% opacity on a six (6) minute block average basis.

ORDER

Based on the above Findings and subject to conditions listed below, the Department concludes that the emissions from this source:

- will receive Best Practical Treatment,
- will not violate applicable emission standards, and
- will not violate applicable ambient air quality standards in conjunction with emissions from other sources.

The Department hereby grants Air Emission License A-624-71-H-M subject to the conditions found in Air Emission License A-624-71-G-R/A and the following conditions.

Severability. The invalidity or unenforceability of any provision, or part thereof, of this License shall not affect the remainder of the provision or any other provisions. This License shall be construed and enforced in all respects as if such invalid or unenforceable provision or part thereof had been omitted.

SPECIFIC CONDITIONS

The following conditions are in addition to the current air emission license requirements specified in Air Emissions License, A-624-71-G-R/A, and shall be added to Condition (16) which pertain to the rock crushing units.

- (16) E. An initial performance test must be completed within 60 days after achieving the maximum production rate at which the cone crushing unit will be operated, but no later than 180 days after initial startup of the unit. If the initial performance test for a facility falls within a seasonal shutdown, then with approval from the Department, the initial performance test may be postponed until no later than 60 calendar days after resuming operation of the affected equipment. [06-096 CMR 115, BPT]

PIKE INDUSTRIES, INC.
SOMERSET COUNTY
FAIRFIELD, MAINE
A-624-71-H-M

) DEPARTMENTAL
) FINDINGS OF FACT AND ORDER
) AIR EMISSION LICENSE
4 MINOR REVISION #1

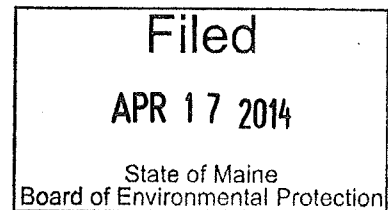
- F. Pike shall submit a test notice to the regional inspector at least 7 days prior to a performance test. [06-096 CMR 115, BPT]
- G. The rock crushers are subject to 40 CFR Part 60 Subparts A and OOO and Pike shall comply with the notification and record keeping requirements of 40 CFR Part 60.676 and Part 60.7, except for Section (a)(2) of 60.7 per Subpart OOO, §60.676(h).
- H. Visible emissions from the cone crushing unit shall be limited to no greater than 10% opacity on a six (6) minute block average basis.

DONE AND DATED IN AUGUSTA, MAINE THIS 15 DAY OF April, 2014.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY:

Maureen Allen Robert Cove for
PATRICIA W. AHO, COMMISSIONER



The term of this amendment shall be concurrent with the term of Air Emission License A-624-71-G-R/A.

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: October 3, 2013

Date of application acceptance: October 17, 2013

Date filed with the Board of Environmental Protection:

This Order prepared by Edwin Cousins, Bureau of Air Quality